

13

on display 14 within window region 130, so that window region 130 serves as a heads-up display. With this type of configuration, viewer 132 may view external objects such as object 134 through window 130 and corresponding rear window 136 by looking in direction 138. At the same time that a user is viewing object 134 through windows 130 and 136, control circuitry 30 may display images on display 14 using display pixels 44 in window 130. The images that are displayed may relate to the user's current surroundings, may relate to camera information (e.g., when the heads-up display is used as a camera viewfinder), or other suitable information.

The foregoing is merely illustrative of the principles of this invention and various modifications can be made by those skilled in the art without departing from the scope and spirit of the invention.

What is claimed is:

1. A display, comprising:
 - a array of organic light-emitting diode pixels; and
 - a flexible polymer substrate having first and second opposing surfaces and at least one opening that passes from the first surface to the second surface, wherein the array of organic light-emitting diode pixels is formed on the first surface, and wherein the signals are transmitted through the opening from the first surface to the second surface towards an electronic component behind the flexible polymer substrate.
2. The display defined in claim 1 wherein the signals comprise optical signals.
3. The display defined in claim 1 wherein the signals comprise acoustic signals.
4. The display defined in claim 1 wherein the signals comprise radio-frequency electromagnetic signals.
5. The display defined in claim 1 wherein the at least one opening comprises an air-filled opening.
6. The display defined in claim 1 further comprising a transparent polymer in the at least one opening.
7. The display defined in claim 1 further comprising a color filter material in the at least one opening that blocks some wavelengths of light and transmits other wavelengths of light.
8. The display defined in claim 1 further comprising an infrared filter in the opening that transmits infrared light and blocks visible light.
9. The display defined in claim 1 further comprising an active area in which the array of organic light-emitting diode pixels is formed, wherein the at least one opening is formed in the active area.

14

10. The display defined in claim 1 wherein the at least one opening comprises a plurality of perforations in the flexible polymer substrate.

11. An electronic device, comprising:

- a flexible substrate having first and second opposing surfaces and having an opening that passes from the first surface to the second surface;
- an array of organic light-emitting diode pixels formed on the first surface; and
- an electronic component mounted in alignment with the opening, wherein signals are conveyed through the opening.

12. The electronic device defined in claim 11 wherein the electronic component comprises a light sensor.

13. The electronic device defined in claim 11 wherein the electronic component comprises a speaker.

14. The electronic device defined in claim 11 wherein the electronic component comprises a microphone.

15. The electronic device defined in claim 11 wherein the electronic component comprises an antenna.

16. The electronic device defined in claim 11 wherein the flexible substrate is interposed between the array of organic light-emitting diode pixels and the electronic component.

17. An electronic device, comprising:

- a flexible polymer substrate having an opening that transmits signals;
- an array of pixels formed on the flexible substrate, wherein the array of pixels emits light away from the opening; and
- an electronic component aligned with the opening, wherein the flexible polymer substrate is interposed between the array of pixels and the electronic component.

18. The electronic device defined in claim 17 wherein the signals comprise ambient light signals and wherein the electronic component comprises an ambient light sensor that receives the ambient light signals through the opening.

19. The electronic device defined in claim 17 wherein the signals comprise proximity sensor signals and wherein the electronic component comprises a proximity sensor that receives the proximity sensor signals through the opening.

20. The electronic device defined in claim 17 wherein the signals comprise optical signals and wherein the electronic component comprises a light-emitting diode that emits the optical signals through the opening.

21. The electronic device defined in claim 17 wherein the array of pixels and the opening are formed in an active area of a display.

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